

OIPE

Serial Number: 101007, 280A

CRF Processing Date: 4/8/02

Edited by: DC

Verified by: DC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/007,280A

DATE: 04/08/2002 P-6

TIME: 12:47:41

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J007280A.raw

3 <110> APPLICANT: Sun, Yongming  
 4 Recipon, Herve  
 5 Salceda, Susana  
 6 Chenghua, Liu  
 8 <120> TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes  
 and Proteins  
 10 <130> FILE REFERENCE: DEX-0257  
 12 <140> CURRENT APPLICATION NUMBER: US 10/007,280A  
 13 <141> CURRENT FILING DATE: 2001-11-07  
 15 <150> PRIOR APPLICATION NUMBER: US 60/246,640  
 16 <151> PRIOR FILING DATE: 2000-11-08  
 18 <160> NUMBER OF SEQ ID NOS: 238  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 151  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Homo sapien  
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 59 <210> SEQ ID NO: 2  
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 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Homo sapien  
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 68 <210> SEQ ID NO: 3

## RAW SEQUENCE LISTING

DATE: 04/08/2002

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TIME: 12:47:41

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Output Set: N:\CRF3\04082002\J007280A.raw

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70 &lt;212&gt; TYPE: DNA

71 &lt;213&gt; ORGANISM: Homo sapien

73 &lt;400&gt; SEQUENCE: 3

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76 aaggcgggga ccaagagcag agccatggta ccgggaaagg ttcaacaaaa ataaggtaaa 120
78 aaaatgtgtg tgtctgtgaa aaaatttggc ccgttacggg ggctaaaaatg caatggtgca 180
80 acctcagctg atggccaagt cggctaccta ggttcaaacg aatctaccgc gctaagcctc 240
82 cgaagtagct ggtaatacag ggcattgcct acgatgccca gccaatgtgt catgcttagt 300
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88 gtttctgagc agtgttttat actgtagtct gctttcatac ctacatttat cgtatttata 480
90 tattttatta ctgagacagg gtctcactct gtttcccagg ctggagtatg gtggcacaat 540
92 cttggcttac tgcaacctcc acctcccagg ctcaagcaat cctcccacct cagcctccca 600
94 agtagctggg actagagatg tatgccatca cacctggctt tgtgtgtgtg tgtgtgtgtg 660
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98 tcgaactcct aagctcaagc gatccacca tctcggcctc ccaaagtgtc gggattatag 780
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134 agtagagacg gcgtttcacc atgttggtca ggatggtctc tatctcctga cctcgtgatc 1860
136 caccgcctc agcctcccag agtgctggga ttacaggtgt gatttgccgt gcccggtat 1920
138 cctagctgtt actctttacc agatccagta taggccctg ggactggagt ccaaggcatt 1980
140 aatggttctc ctgggtccact ttctggcctc tttctcctgg tgtgacctca aaccccgta 2040
142 ccctattatc ccctctatca gaaaaatgga gacgatgcac actgcccacc tggcacacaa 2100
144 gggaggagga aatcgacact tctgaagatc tatggttctg caccacctc cacagcctgc 2160
146 accactacct tggttcagcc agcataggag tccctagctg cttctctctt gtcccagggt 2220
148 tctgtttcca gaaaggagag gactgagacc cagcagttat ccttccaggt tctggtgtta 2280
150 taacacagct tgttttactt ctaaaaattt agtgtcagct gtgtacctag 2330

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153 &lt;210&gt; SEQ ID NO: 4

154 &lt;211&gt; LENGTH: 266

155 &lt;212&gt; TYPE: DNA

156 &lt;213&gt; ORGANISM: Homo sapien

158 &lt;400&gt; SEQUENCE: 4

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159 cagagtgaga cttgtctca aaaacaaaaa tacctagaaa atcaatctac totgttttt 60

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## RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/007,280A

TIME: 12:47:41

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Output Set: N:\CRF3\04082002\J007280A.raw

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163 acacaacctg taggtcttat ctctggggtc tgggaaacag aaccttaatg ttacaggtac 180
165 aaaagcaaac agagtgatta gttccccatt ttctggtagt gaacaactga cattttttca 240
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182 caaaatgttg ttgggagacc ccatccaatt taatcgggtg ttatttaatt atactactat 240
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188 actgagaatc catgtttcat tgagactggg gtttttctac tttatccttt tttttttttt 420
190 tttgagacgg agtcttgctc tccagcctgg caatcagagt gagacctgt ctcaaaaaca 480
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194 tctttcttag tttccttttt ttctgaagca ctaaacacaa cctgtaggtc ttatctctgg 600
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198 cattttctgg tagtgaacaa ctgacatttt ttcaatctta tgtaaaatgt gaataaaaaat 720
200 aatttttagaa aagttatcta tttttatgtt ctgtaacaca aatagttaag aaaatgaata 780
202 cttgttatgt aaatgaagct tcacagcagg acctccggca taactttgat catgttgat 840
204 ctcttaagca ttttatatag gaattctggg gtggctaccc aaagcagaag ggaaggcaat 900
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216 gtcactctatc ataactgtat gaaatctggg cctagttttt aacagatcct ctgaccagtg 1260
218 ggttactccg ggacttcacg tgccccgttt cccaacacct cgtcctgtct cggctacact 1320
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229 <212> TYPE: DNA
230 <213> ORGANISM: Homo sapien
232 <400> SEQUENCE: 6
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237 tctgcccttt gcaaatcatt ggatgctaaa caaaatgtgg agaaaacata ttgccctgct 180
239 ctatctggca gcttccaaga ttcaatgata tattgggaaa ggagtaactc acttcccctt 240
241 ccagcaacat gtaagcccta gactcctgcc aggccaaaaa tatccccgat taaacaaatt 300
243 atgtagcaga aagtctttga attaataaac caaatttgaa taatt 345
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248 <212> TYPE: DNA
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## RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/007,280A

TIME: 12:47:41

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Output Set: N:\CRF3\04082002\J007280A.raw

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256 tagtaggttt cctcttgagc ctttattatc tttccatgct gtctggcctt ggtcagtgtc 180
258 atcccagccc atcttaactc atttttctct ccttgaacct gagagaagat gttgcagtcc 240
260 tagtcctttt cctcccagga ggcatttctg ccctttgcaa attcatggat gctaaacaaa 300
262 atgtggagaa aacataattgc cctgctctat ctggcagctt ccaagattca atgatatatt 360
264 gggaaaggag taactcactt ccccttcag caacatgtaa gccctagact cctgccaggc 420
266 caaaaatata cccgattaaa caaattatgt agcagaaaagt ctttgaatta ataaaccaa 480
268 tttgaataat t 491
271 <210> SEQ ID NO: 8
272 <211> LENGTH: 91
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapien
276 <400> SEQUENCE: 8
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279 aggccacctc atctcttcca ttggccacca g 91
282 <210> SEQ ID NO: 9
283 <211> LENGTH: 890
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapien
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288 cgtaatttgg agttctcctt cgaatttgac caactcaggt agagttaatc aaatctgatg 60
290 gaagaaaacc aaaataacaa aacaaatatg attactgagg acttttaatg gtaaggagaa 120
292 gttaagacca gttacttgct aatcttaact tttagtcact aaggggaatt ttcaagacaa 180
294 aactctaatt gagctactta cctaggaatg aggtcacgc tgaacactgc tgtctaccat 240
296 ctatgaagca ggaaaaaact caaactcact ttctctgttg gaaggagca gaaactccag 300
298 aaaggacttg ctggccctcc atcatcatgg aaacaggaaa actaatcttc cttgttgaa 360
300 gtgagtaaaa ctccaaaaaa ggaggagtgt tacagcaaaa tgaaccttag acctcaacca 420
302 aatttgggga gagcaatgat tctctgaagg gacctccag acctcagcaa attgtattat 480
304 tggtttgagc aataaagata ggccaagctg gtaccaagca tggatggatt tgtcaaagat 540
306 caggccacct catctcttcc attggccacc agtttataaa ccaaagagta tctgagacag 600
308 gtctcaatca attcagaagt ttattttgcc aagggttaag acatgcctgg aagaaaataa 660
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314 tgttgtaaga gaaaaggagc ggtacggga atagtcaatt atgtattcat ctcatgctca 840
316 ataaattggc actttacata agaaaaaaa aaaaaaaaaa aaatgcggcc 890
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321 <212> TYPE: DNA
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329 tgaagcagtt ttatttctga agtgatacta aagaataggc atgcgtgtcc aggctagtta 180
331 cagttaaatt taggaataag gcacagtaat aaagatacta tctttagact tgaaaattat 240
333 aaatccttag ttgttattcc ttatcagttt ataaagttaa caatgaatgt acagactaca 300
335 agctatcaaa tgtactgtag atgaaaagg caataaacac tagtcagagt tagaggtaga 360
337 atgatataat ggaaaggtag gaattg 386

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## RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/007,280A

TIME: 12:47:41

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342 <212> TYPE: DNA
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345 <400> SEQUENCE: 11
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348 tagagtgtta ctatgtcttg ttcaagtagc acaggggccg ggaaatacaa tttgaaggga      120
350 gaggctaatac tttaaaggca gtcattgatt gtattttaaa ttacaattta caaccccatg      180
352 gtaatgaaca cataggctaa acaaataata actcaattaa aataacatgc aatgatactt      240
354 tacaaaaatg ctgctgagaa gaacatcgag ttacatcat gctgaatata taaaaatagc      300
356 tagatgacta tttaaccttc tttttatatg tatagatata gcgttataat tttcccaacta      360
358 gaatttaatt ttatattata gaccttttca gtgccttcag tgaccctatg agtgtctttt      420
360 taagattgcc tttggaccct ggtgtcgggt tgggactg      458
363 <210> SEQ ID NO: 12
364 <211> LENGTH: 490
365 <212> TYPE: DNA
366 <213> ORGANISM: Homo sapien
368 <400> SEQUENCE: 12
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371 tagagtgtta ctatgtcttg ttcaagtagc acaggggccg ggaaatacaa tttgaaggga      120
373 gaggctaatac tttaaaggca gtcattgatt gtattttaaa ttacaattta caaccccatg      180
375 gtaatgaaca cataggctaa acaaataata actcaattaa aataacatgc aatgatactt      240
377 tacaaaaatg ctgctgagaa gaacatcgag ttacatcat gctgaatata taaaaatagc      300
379 tagatgacta tttaaccttc tttttatatg tatagatata gcgttataat tttcccaacta      360
381 gaatttaatt ttatattata gaccttttca gtgccttcag tgaccctatg agtgtctttt      420
383 taagattgcc tttggaccct ggtgtcgggt tgggactggc actaagtgca atcctaaaat      480
385 tttccataaa      490
388 <210> SEQ ID NO: 13
389 <211> LENGTH: 64
390 <212> TYPE: DNA
391 <213> ORGANISM: Homo sapien
393 <400> SEQUENCE: 13
394 agaaatgtaa atgctatatt agaaaatatt tactaagtcc aagagaaaagc aataatagag      60
396 gcac      64
399 <210> SEQ ID NO: 14
400 <211> LENGTH: 921
401 <212> TYPE: DNA
402 <213> ORGANISM: Homo sapien
404 <220> FEATURE:
405 <221> NAME/KEY: misc_feature
406 <222> LOCATION: (68)..(68)
407 <223> OTHER INFORMATION: n= a, c, g or t
410 <400> SEQUENCE: 14
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W--> 413 ctgtcttnag aaaagggaact agagaagtac aggggtcgatt gtagggctgt gtctagggga      120
415 tattccctgg aaataaaata ggttcttgga gctgtactga gagcagcttt cgaccatgct      180
417 aaattcctat tagtagtttt ttttaaatga accaatttgc tattaatatg tattctttgg      240
419 tgaaactgtc caaatatttt gaccatcttt tattttatta ttattattga tatagctgga      300
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/007,280A

DATE: 04/08/2002  
TIME: 12:47:42

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF3\04082002\J007280A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 77,78,82,129,143  
Seq#:14; N Pos. 68  
Seq#:25; N Pos. 93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108  
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Seq#:25; N Pos. 169,170,171,172,173,174,175,176,177,178,179,180,181,182,183  
Seq#:25; N Pos. 184,185,186,187,188,189,190,191,192  
Seq#:28; N Pos. 258  
Seq#:30; N Pos. 260,262,304,310,333,337,343,354,371,376,380,470  
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Seq#:35; N Pos. 486  
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Seq#:38; N Pos. 400,401,402,403,404,405,406,407,408,409,410,411,412,413,414  
Seq#:38; N Pos. 415,416,417,418,419,420,421,422,423,424,425,426,427,428,429  
Seq#:38; N Pos. 430,431,432,433,434,435,436,437,438,439,440,441,442,443,444  
Seq#:38; N Pos. 445,446,447,448,449,450,451,452,453,454,455,456,457,458,459  
Seq#:38; N Pos. 460,461,462,463,464,465,466,467,468,469,470,471,472,473,474  
Seq#:38; N Pos. 475,476,477,478,479,480,481,482,483,484,485,486,487,488,489  
Seq#:38; N Pos. 490,491,492,493,494,495,496,497,498,499,500,501,502,503,504  
Seq#:38; N Pos. 505,506,507,508,509,510,511,512,513,514,515,516,517,518,519  
Seq#:38; N Pos. 520,521,522,523,524,525,526,527,528,529,530,531,532,533,534  
Seq#:38; N Pos. 535,536,537,538,539,540,541,542,543,544,545,546,547,548,549  
Seq#:38; N Pos. 550,551,552,553,554,555,556,557,558,559,560,561,562,563,564  
Seq#:38; N Pos. 565,566,567,568,569,570,571,572,573,574,575,576,577,578,579  
Seq#:38; N Pos. 580,581,582,583,584,585,586,587,588,589,590,591,592  
Seq#:40; N Pos. 227,240,244,272,317,330,377  
Seq#:42; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339,340  
Seq#:42; N Pos. 341,342,343,344,345,346,347,348,349,350,351,352,353,354,355  
Seq#:42; N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369,370  
Seq#:42; N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384,385  
Seq#:42; N Pos. 386  
Seq#:43; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339,340

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 04/08/2002  
PATENT APPLICATION: US/10/007,280A      TIME: 12:47:42

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J007280A.raw

Seq#:43; N Pos. 341,342,343,344,345,346,347,348,349,350,351,352,353,354,355  
Seq#:43; N Pos. 356,357,358,359,360,361,362,363,364,365,366,367,368,369,370  
Seq#:43; N Pos. 371,372,373,374,375,376,377,378,379,380,381,382,383,384,385  
Seq#:43; N Pos. 386  
Seq#:44; N Pos. 425  
Seq#:45; N Pos. 707,708,709,710,711,712,713,714,715,716,717,718,719,720,721  
Seq#:45; N Pos. 722,723,724,725,726,727,728,729,730,731,732,733,734,735,736  
Seq#:45; N Pos. 737,738,739,740,741,742,743,744,745,746,747,748,749,750,751  
Seq#:45; N Pos. 752,753,754,755,756,757,758,759,760,761,762,763,764,765,766  
Seq#:45; N Pos. 767,768,769,770,771,772,773,774,775,776,777,778,779,780,781  
Seq#:45; N Pos. 782,783,784,785,786,787,788,789,790,791,792,793,794,795,796  
Seq#:45; N Pos. 797,798,799,800,801,802,803,804,805,806,807,808,809,810,811  
Seq#:45; N Pos. 812  
Seq#:56; N Pos. 279  
Seq#:59; N Pos. 33,111  
Seq#:60; N Pos. 335  
Seq#:61; N Pos. 415,417,475,482,521  
Seq#:62; N Pos. 143,148  
Seq#:64; N Pos. 179,180,181,182,183,184,185,186,187,188,189,190,191,192,193  
Seq#:64; N Pos. 194,195,196,197,198,199,200,201,202,203,204,205,206,207,208  
Seq#:64; N Pos. 209,210,211,212,213,214,215,216,217,218,219,220,221,222,223  
Seq#:64; N Pos. 224,225,226,227,228,229,230,231,232,233,234,235,236,237,238  
Seq#:64; N Pos. 239,240,241,242,243,244,245,246,247,248,249,250,251,252,253  
Seq#:64; N Pos. 254,255,256,257,258,259,260,261,262,263,264,265  
Seq#:67; N Pos. 274  
Seq#:69; N Pos. 425,475  
Seq#:71; N Pos. 311,386  
Seq#:77; N Pos. 199,202,208,211  
Seq#:84; N Pos. 392,393,394,395,396,397,398,399,400,401,402,403,404,405,406  
Seq#:84; N Pos. 407,408,409,410,411,412,413,414,415,416,417,418,419,420,421  
Seq#:84; N Pos. 422,423,424,425,426,427,428,429,430,431,432,433,434,435  
Seq#:88; N Pos. 372  
Seq#:94; N Pos. 95,136,194  
Seq#:112; N Pos. 324,364  
Seq#:114; N Pos. 314,315,316,317,318,319,320,321,322,323,324,325,326,327  
Seq#:114; N Pos. 328,329,330,331,332,333,334,335,336,337,338,339,340,341  
Seq#:114; N Pos. 342  
Seq#:118; N Pos. 209,444  
Seq#:120; N Pos. 494,540  
Seq#:121; N Pos. 540  
Seq#:122; N Pos. 99,113  
Seq#:124; N Pos. 324  
Seq#:127; N Pos. 100,112,134,151,152,161,164  
Seq#:128; N Pos. 5379,5382,5391,5392  
Seq#:129; N Pos. 389,390,391,392,393,394,395,396,397,398,399,400,401,402  
Seq#:129; N Pos. 403,404,405,406,407,408,409,410,411,412  
Seq#:132; N Pos. 393  
Seq#:134; N Pos. 289  
Seq#:156; Xaa Pos. 7



RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 04/08/2002  
PATENT APPLICATION:    US/10/007,280A      TIME: 12:47:42

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF3\04082002\J007280A.raw

Seq#:158; Xaa Pos. 21,35,45,48,52,58,61  
Seq#:159; Xaa Pos. 20  
Seq#:164; Xaa Pos. 4  
Seq#:165; Xaa Pos. 10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
Seq#:165; Xaa Pos. 29,30  
Seq#:176; Xaa Pos. 22  
Seq#:178; Xaa Pos. 21  
Seq#:179; Xaa Pos. 21,22  
Seq#:182; Xaa Pos. 21  
Seq#:198; Xaa Pos. 80  
Seq#:203; Xaa Pos. 9,23,42  
Seq#:226; Xaa Pos. 14,18  
Seq#:232; Xaa Pos. 291,292,293,294,295,296,297,298,299

## VERIFICATION SUMMARY

DATE: 04/08/2002

PATENT APPLICATION: US/10/007,280A

TIME: 12:47:42

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J007280A.raw

L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60  
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:120  
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60  
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60  
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:120  
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:180  
L:801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:240  
L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:240  
L:923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:300  
L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:360  
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:420  
L:987 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:120  
L:991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:240  
L:993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:300  
L:1020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:360  
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:480  
L:1171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:240  
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:300  
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:360  
L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:420  
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:480  
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:540  
L:1263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:180  
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:240  
L:1267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:300  
L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360  
L:1317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:300  
L:1319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:360  
L:1348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:300  
L:1350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:360  
L:1383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:420  
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:660  
L:1428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:720  
L:1430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:780  
L:1755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:240  
L:1836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0  
L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:60  
L:1881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:300  
L:1936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:360  
L:1938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:420  
L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:480  
L:1965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:120  
L:2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:120  
L:2003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:180  
L:2005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:240  
L:2078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:240  
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:420  
L:2178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:300

VERIFICATION SUMMARY

DATE: 04/08/2002

PATENT APPLICATION: US/10/007,280A

TIME: 12:47:42

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04082002\J007280A.raw

L:2180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:360

L:2310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:180